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Rosin Tackifiers



Arizona Chemical's SYLVA SYLVATAC® and SYLVAG esters are used in a wide range of applications including hot melt sealants, chewing gum bases

and pressure sensitive adhesive tapes and labels.

Product Availability Notice

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SYLVAGUM RE 85H	A steam stripped glycerol ester of tall oil rosin manufactured in a tightly controlled process to assure that the resin meets the high standards of the confectionery industry for consistent good taste and low odor characteristics.	MSDS Product
SYLVAGUM RE 85K	A steam stripped glycerol ester of tall oil rosin manufactured in a tightly controlled process to assure that the resin meets the high standards of the confectionery industry for consistent good taste and low odor characteristics.	MSDS Product
SYLVALITE RE 100L	A light-colored pentaerythritol ester of rosin which has been stabilized to provide excellent heat and aging stability. It provides particularly good skinning resistance and color stability in ethylene vinyl acetate (EVA) hot melt adhesives.	MSDS Product
SYLVALITE RE 105L	A pentaerythritol ester of rosin with a higher softening point than typical similar products. Its stability, low volatility and polymer compatibility make it useful in adhesives and other applications needing improved heat resistance and shear strength.	MSDS Product
SYLVALITE RE 10L	A light colored, liquid rosin ester tackifier for applications requiring low odor and excellent stability. It provides the performance of a premium rosin ester along with color, odor and stability once available only from hydrogenated wood rosin esters.	MSDS Product
SYLVALITE RE 110L	A light colored, pentaerythritol ester of rosin stabilized to provide excellent heat and aging stability. It provides good skinning resistance and color stability in EVA hot melt adhesives that require extra heat resistance in application or storage.	MSDS Product
SYLVALITE RE 80 HP	A low odor, light-colored ester of rosin that has been stabilized to provide excellent performance and aging stability. Its stability and polymer compatibility make it useful in a wide variety of adhesives, especially	MSDS Product

	PSAs.	
SYLVALITE RE 85L	A polyol ester of rosin which has been stabilized to provide good heat and storage stability. SYLVALITE RE 85L resin provides particularly good resistance to skinning and viscosity change in ethylene vinyl acetate (EVA) hot melt adhesives.	<u>MSDS</u> <u>Produ</u>
SYLVAROS PR 295	A selectively polymerized rosin. SYLVAROS PR 295 can be used with EVA, PE and many elastomers to give good specific adhesion without a major loss of cohesive strength.	<u>MSDS</u> <u>Produ</u>
SYLVAROS PR R-85	A dimerized rosin with unique properties that enable it to totally or partially replace gum or modified rosins for improved properties. Its compatibility and solubility features allow its use in many adhesive, coating and compounding applications.	<u>MSDS</u> <u>Produ</u>
SYLVAROS PR RX	A stabilized tall oil rosin with excellent resistance to crystallization. A balance of properties is achievable with EVA, PE, and PP containing hot melt adhesives. This polar resin can be used to promote adhesion to difficult-to-bond surfaces.	<u>MSDS</u> <u>Produ</u>
SYLVATAC RE 100	A pentaerythritol ester of rosin which has been stabilized to provide excellent heat and aging stability. The stability, low volatility and polymer compatibility of SYLVATAC RE 100 resin make it useful in a wide variety of adhesives.	<u>MSDS</u> <u>Pr du</u>
SYLVATAC RE 100LV	A disproportionated pentaerythritol rosin ester for adhesives which provides flexibility and impact-resistance, compared to adhesives tackified by C ₅ based hydrocarbon resins.	<u>MSDS</u> <u>Produ</u>
SYLVATAC RE 100NS	A pentaerythritol ester of tall oil rosin developed as a tackifier for a variety of adhesives. It is suitable for use in formulation of packaging or assembly hot melt adhesives and solvent-based or water-based construction and product assembly adhesives.	<u>MSDS</u> <u>Produ</u>
SYLVATAC RE 25	A viscous, liquid rosin ester tackifier designed for applications requiring a low softening point resin. It provides the compatibility of a rosin ester along with the ability to modify the softening points of other high softening point tackifiers.	<u>MSDS</u> <u>Produ</u>
SYLVATAC RE 40	A low softening point rosin ester with good stability and mild odor. Its polymer compatibility allows it to be used as a tackifier/plasticizer in many adhesive systems, particularly where better wetting or low temperature tack is required.	<u>MSDS</u> <u>Produ</u>
SYLVATAC RE 5	A liquid rosin ester tackifier designed for applications requiring low odor and excellent stability. Its high acid number provides improved specific adhesion relative to alternative liquid resins.	<u>MSDS</u> <u>Produ</u>
SYLVATAC RE 85	A glycerol ester of rosin which has been stabilized to provide good heat stability. The stability and polymer compatibility of SYLVATAC RE 85 resin make it useful in a wide variety of adhesives.	<u>MSDS</u> <u>Produ</u>
UNI-TAC 70	A modified rosin which offers an excellent combination of oxidation and	<u>MSDS</u>

crystallization resistance. This product functions as a tackifier for SBR, natural rubber, butyl rubber, ethylene-vinyl acetate and other polymers.

Produ

UNI-TAC 72

Based on a non-crystallizing, oxidation resistant, modified rosin, UNI-TAC 72 resin solution functions as a tackifier for SBR, natural rubber, butyl rubber, acrylic and other polymers and shows good tack retention.

MSDS

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SPECIALITY CHEMICALS DEPARTMENT

Our Technologies provide many of the conveniences
that surround us today

Product	Appearance	Color (Hazen)	Softening Point (deg.C.,R&B)	Characteristics	Use
ARKON P-70	Colorless transparent lump	100 max.	60-75	Good weather resistance Odorless Good compatibility with EVA and block rubber	Pressure sensitive adhesive Hot melt adhesive
ARKON P-90	Colorless transparent pellet	ditto	90±5	ditto	ditto
ARKON P-100	ditto	ditto	100±5	ditto	ditto
ARKON P-115	ditto	ditto	115±5	ditto	Pressure sensitive adhesive Hot melt adhesive Plastic reforming
ARKON P-125	ditto	ditto	125±5	ditto	ditto
ARKON P-140	ditto	ditto	140±5	ditto	ditto
ARKON M-90	ditto	ditto	90±5	ditto	Pressure sensitive adhesive Hot melt adhesive
ARKON M-100	ditto	ditto	100±5	ditto	ditto
ARKON M-115	ditto	ditto	115±5	ditto	ditto
ARKON M-135	ditto	ditto	135±5	ditto	ditto

UP

HYDROGENATED HYDROCARBON RESIN

ROSIN ESTER

SPECIAL ROSIN ESTER

SPECIAL ESTER EMULSION

ALKYLPHENOLIC RESIN

PHENOLIC RESIN

WATER SOLUBLE COPOLYMER

Tackifying Resins								
Grade	Composition	Appearance	Softening Point (c)	Color (Gardner)	Acid Value	CAS NO.	Application	Packing

YS Resin PX

1250	Terpene Polymer	Bead	125 +/-5	5 max.	1 max.	35227- 16- 8	Tackifier for rubber base Adhesive, Tackifier for EVA base Adhesive, Paint, INK, Additive for Rubber, Modifier for Polymers	20kgs Bag
1150			115 +/-5					
1000			100 +/-5					
800		Flake	80 +/-5					

YS Resin PX N

1150 N	Beta- Pinene Polymer	Bead	115 +/-5	5 max.	1 max.	25719- 60- 2	ditto	20kgs Bag
300 N		Liquid / Paste	30 +/-5					15kgs TinCan

YS Resin D

125	Terpene Polymer	Bead	125 +/-5	2 max.	1 max.	9003- 73- 0	ditto	20kgs Bag
115			115 +/-5					
105			105 +/-5					

YS Resin TO

125	Aromatic Modified Terpene Polymer	Bead	125 +/-5	2 max.	2 max.	64536- 06- 7	ditto	20kgs Bag
1150			115 +/-5					
105			105 +/-5					
85			85 +/-5					

YS Resin TR

105	Aromatic Modified Terpene Polymer	Bead	105 +/-5	2 max.	2 max.	64536- 06- 7	ditto	20kgs Bag
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Grade	Composition	Appearance	Softening Point (c)	Color (APHA)	Acid Value	CAS NO.	Application	Packing
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Claron P

125	Hydrogenated Terpene Polymer	Bead	125 +/-5	70 max.	1 max.	106168- 39- 2	<i>ditto</i>	25kgs Bag
115			115 +/-5					
105			105 +/-5					
85		Flake	85 +/-5					

Clearon M

115	Hydrogenated Terpene Polymer	Bead	115 +/-5	70 max.	1 max.	106168- 36- 9	<i>ditto</i>	25kgs Bag
105			105 +/-5					

Clearon K

110	Hydrogenated Terpene Polymer	Bead	110 +/-5	70 max.	1 max.	106168- 36- 9	<i>ditto</i>	25kgs Bag
100			100 +/-5					

Grade	Composition	Appearance	Softening Point (c)	Color (Gardner)	Acid Value	CAS NO.	Application	Packing
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YS Resin A

800	Alpha-Pinene Polymer	Flake	80 +/-5	7 max.	1 max.	125766- 18- 1	<i>ditto</i>	20kgs Bag
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YS Resin Z

115	Modified Terpene Resin	Flake	115 +/-5	10 max.	1 max.	64536- 06- 7	<i>ditto</i>	20kgs Bag
100			100 +/-5					

Grade	Composition	Appearance	Softening Point (c)	Color (Gardner)	Acid Value	CAS NO.	Application	Packing
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YS Polyster 2000

2130	Terpene Phenolic Copolymer	Flake	130 +/-5	12 max.	1 max.	25359-84-6	Tackifying agent for rubber, Acrylic and EVA Adhesives and P.S.A, Additive for Paint and Ink, Polyolefin modifier	20kgs Bag
2115			115 +/-5					
2100			100 +/-5					

YS Polyst r U

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115	Terpene Phenolic Copolymer	Flake	115 +/-5	7 max.	2 max.	25359-84-6	<i>ditto</i>	20kgs Bag
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YS Polyst r T

145	Terpene Phenolic Copolymer	Flake	145 +/-5	7 max.	2 max.	25359-84- 6	ditto	20kgs Bag
130			130 +/-5					
115			115 +/-5					
100			100 +/-5					
80		80 +/-5	12 max.					
30		Liquid / Paste	30 +/-5	7 max.				180kgs D/M, 15kgs TinCan

YS Polyester S

145	Terpene Phenolic Copolymer	Flake	145 +/-5	7 max.	2 max.	25359-84-6	<i>ditto</i>	20kgs Bag
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YS Polyester N

125	Terpene Phenolic Copolymer	Flake	125 +/-5	7 max.	2 max.	25359-84-6 6	<i>ditto</i>	20kgs Bag
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Mightyace G

150	Terpene Phenolic Copolymer	Flake	150 +/-5	7 max.	2 max.	25359-84-6	<i>ditto</i>	20kgs Bag
125			125 +/-5					

Mightyace K

125	Terpene Phenolic Copolymer	Flake	125 +/-5	7 max.	2 max.	25359-84-6	<i>ditto</i>	20kgs Bag
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EASTMAN

REGALITE R1100 Hydrocarbon Resin Product Data Sheet

Property ^a	Typical Value, Units ^c
Ring and Ball Softening Point	100°C
Color, Hunterlab b ^d 5 cm path length	0.8
Color, Gardner ^e	
Initial	<1
24 hours @ 177°C	3
Density @ 25°C	0.99 kg/dm ³
MMAP	78°C
Molecular Weight ^f	
M _w	900
M _n	600
M _w /M _n	1.5
M _z	1500
Melt Viscosity	
@ 120°C	25000 mPa·s
@ 140°C	2500 mPa·s
@ 160°C	500 mPa·s

^aUnless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^cUnits are in SI or US customary units.

^d50% resin solids in toluene

^e50% resin solids in toluene

^fSize Exclusion Chromatography

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EASTMAN

REGALITE R1125 Hydrocarbon Resin Product Data Sheet

Property ^a	Typical Value, Units ^c
Ring and Ball Softening Point	123°C
Color, Hunterlab b ^d 5 cm path length	1.0
Color, Gardner ^e	
Initial	<1
24 hours @ 177°C	4.5
Density @ 25°C	0.98 kg/dm ³
MMAp	86°C
Molecular Weight ^f	
M _w	1300
M _n	800
M _w /M _n	1.6
M _z	2100
Melt Viscosity	
@ 140°C	>50000 mPa·s
@ 160°C	6800 mPa·s
@ 180°C	1200 mPa·s

^aUnless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^cUnits are in SI or US customary units.

^d50% resin solids in toluene

^e50% resin solids in toluene

^fSize Exclusion Chromatography

Eastman Chemical Company and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

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L Number	Hits	Search Text	DB	Time stamp
-	19143	tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:21
-	49522	psa or pressure adj sensitive adj adhesive	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:21
-	149465	acrylic adj acid or methacrylic adj acid	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:22
-	13166	hydroxyethyl adj acrylate or hydroxyethylpropyl adj acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:22
-	138939	crosslink or crosslinking	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:23
-	4651	tackifier and tape	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:23
-	47	(tackifier and tape) and different near3 tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:38
-	47	(tackifier and tape) and (different or more adj than adj one) near3 tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:25
-	0	(tackifier and tape) and (more adj than adj one) near3 tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:29
-	57	(tackifier and tape) and (at adj least adj two or two adj more or two) near3 tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:31
-	8	(tackifier and tape) and (at adj least adj two or two adj more) near3 tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:38
-	57	(tackifier and tape) and (first) near3 tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:32
-	45	((tackifier and tape) and (at adj least adj two or two adj more or two) near3 tackifier) or ((tackifier and tape) and (first) near3 tackifier)) not ((tackifier and tape) and (at adj least adj two or two adj more or two) near3 tackifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:33

-	102	((tackifier and tape) and (at adj least adj two or two adj more or two) near3 tackifier) or ((tackifier and tape) and (first) near3 tackifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:33
-	137	((tackifier and tape) and (different or more adj than adj one) near3 tackifier) or (((tackifier and tape) and (at adj least adj two or two adj more or two) near3 tackifier) or ((tackifier and tape) and (first) near3 tackifier))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:34
-	61	((tackifier and tape) and (at adj least adj two or two adj more) near3 tackifier) or ((tackifier and tape) and (first) near3 tackifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:34
-	98	((tackifier and tape) and (at adj least adj two or two adj more) near3 tackifier) or ((tackifier and tape) and (first) near3 tackifier)) or ((tackifier and tape) and (different or more adj than adj one) near3 tackifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:37
-	4272	tackifier and (psa or pressure adj sensitive adj adhesive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:37
-	41	(tackifier and (psa or pressure adj sensitive adj adhesive)) and different near3 tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:38
-	4	(tackifier and (psa or pressure adj sensitive adj adhesive)) and (at adj least adj two or two adj more) near3 tackifier	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 07:38
-	19	(US-6455151-\$ or US-4338227-\$ or US-6384138-\$ or US-6350514-\$ or US-6288148-\$ or US-6162859-\$ or US-6133391-\$ or US-5985095-\$ or US-5773506-\$ or US-5536778-\$ or US-5290842-\$ or US-5227426-\$ or US-5221706-\$ or US-5112889-\$ or US-5061262-\$ or US-5028646-\$ or US-4087392-\$).did. or (US-6288148-\$ or JP-10110139-\$).did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/03 08:27
-	16	((US-6455151-\$ or US-4338227-\$ or US-6384138-\$ or US-6350514-\$ or US-6288148-\$ or US-6162859-\$ or US-6133391-\$ or US-5985095-\$ or US-5773506-\$ or US-5536778-\$ or US-5290842-\$ or US-5227426-\$ or US-5221706-\$ or US-5112889-\$ or US-5061262-\$ or US-5028646-\$ or US-4087392-\$).did. or (US-6288148-\$ or JP-10110139-\$).did.) and (psa or pressure adj sensitive adj adhesive)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/03 08:27